

22713 U.S. PTO  
033104

PTO/SB/05 (01-04) (AW 02/2004)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No.	AOY-3975US
First Inventor	Masao Nakano et al.
Title	REFRIGERANT PUMP AND COOLING DEVICE EMPLOYING SAME
Express Mail Label No.	EV 418254029 US

22857 U.S. PTO  
10/814712

033104

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

## ADDRESS TO:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
  - ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
  - ☒ Specification [Total Pages (preferred arrangement set forth below)
    - Descriptive title of the Invention
    - Cross References to Related Applications
    - Statement Regarding Fed sponsored R & D
    - Reference to sequence listing, a table, or a computer program listing appendix
    - Background of the Invention
    - Brief Summary of the Invention
    - Brief Description of the Drawings (if filed)
    - Detailed Description
    - Claim(s)
    - Abstract of the Disclosure
  - ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets   - Oath or Declaration [Total Pages   - ☒ Newly executed (original or copy)
  - ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
    - ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program. (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - ☐ Computer Readable Form (CRF)
  - Specification Sequence Listing on:
    - ☐ CD-ROM or CD-R (2 copies); or
    - ☐ paper
  - ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATIONS PARTS

- ☒ Assignment Papers (cover sheet & document(s))
- ☐ 37 C.F.R. §3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- ☒ Certified Copy of Priority Document(s) (if foreign priority is claimed)
- ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☒ Other: Certificate of Express Mail

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 C.F.R. 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Prior application information

Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Insert Customer Number **23122**

OR ☐ Correspondence address below

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Name (Print/Type)	Lawrence E. Ashery	Registration No. (Attorney/Agent)	34,515
Signature		Date	March 31, 2004

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1100

## Complete if Known

Application Number To Be Assigned  
Filing Date Herewith  
First Named Inventor Masao Nakano et al.  
Examiner Name  
Art Unit  
Attorney Docket No. AOY-3975US

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money ☐ Other ☐ None  
Order

☒ Deposit Account (use as backup only):

Deposit Account Number 18-0350  
Deposit Account Name RatnerPrestia

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below  
☒ Credit any overpayments  
☒ Charge any additional fee(s) or any underpayment of fee(s)  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385			Utility filing fee	770
1002	340	2002	170			Design filing fee	
1003	530	2003	265			Plant filing fee	
1004	770	2004	385			Reissue filing fee	
1005	160	2005	80			Provisional filing fee	

SUBTOTAL (1)

(\$ 770)

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	8	-20**	=	0	X	18	=	0
Independent Claims	2	-3**	=	0	X	86	=	0
Multiple Dependent	1				X	290	=	290

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9			Claims in excess of 20
1201	86	2201	43			Independent claims in excess of 3
1203	290	2203	145			Multiple dependent claim, if not paid
1204	86	2204	43			** Reissue independent claims over original patent
1205	18	2205	9			** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ 290)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65			Surcharge - late filing fee or oath	
1052	50	2052	25			Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130			Non-English specification	
1812	2,520	1812	2,520			For filing a request for ex parte reexamination	
1804	920*	1804	920*			Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*			Requesting publication of SIR after Examiner action	
1251	110	2251	55			Extension for reply within first month	
1252	420	2252	210			Extension for reply within second month	
1253	950	2253	475			Extension for reply within third month	
1254	1,480	2254	740			Extension for reply within fourth month	
1255	2,010	2255	1,005			Extension for reply within fifth month	
1401	330	2401	165			Notice of Appeal	
1402	330	2402	165			Filing a brief in support of an appeal	
1403	290	2403	145			Request for oral hearing	
1451	1,510	1451	1,510			Petition to institute a public use proceeding	
1452	110	2452	55			Petition to revive - unavoidable	
1453	1,330	2453	665			Petition to revive - unintentional	
1501	1,330	2501	665			Utility issue fee (or reissue)	
1502	480	2502	240			Design issue fee	
1503	640	2503	320			Plant issue fee	
1460	130	1460	130			Petitions to the Commissioner	
1807	50	1807	50			Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180			Submission of Information Disclosure Stmt	
8021	40	8021	40			Recording each patent assignment per property (times number of properties)	40
1809	770	2809	385			Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385			For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385			Request for Continued Examination (RCE)	
1802	900	1802	900			Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 40)

## SUBMITTED BY

Name (Print/Type) Lawrence E. Ashery Registration No. Attorney/Agent 34,515 Telephone (610) 407-0700  
Signature Date March 31, 2004

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**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Masao Nakano et al.

Docket No.

AOY-3975US

Serial No.

Filing Date

Examiner

Group Art Unit

To Be Assigned

Herewith

Invention: REFRIGERANT PUMP AND COOLING DEVICE EMPLOYING SAME

I hereby certify that the following correspondence:

Utility Patent Application Transmittal and its enclosures

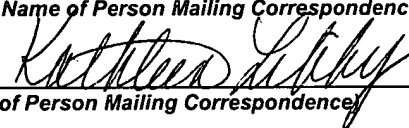
*(Identify type of correspondence)*

Is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to:

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on March 31, 2004

Kathleen Libby*(Typed or Printed Name of Person Mailing Correspondence)*  
*(Signature of Person Mailing Correspondence)*EV 418254029 US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**